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TITLE: THERMAL RECORDING MATERIAL

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ABSTRACT:

PURPOSE: To obtain a thermal recording material having excellent storability and free of blocking phenomenon even under high-temperature and high-humid conditions by adding a zirconium compound to the protective layer and back coat layer of a thermal recording material in which the back coat layer is provided on one side of a supporter.

CONSTITUTION: A coating liquid containing 2~20wt% (based on the main resin component) a zirconium compound (e.g., $\text{Na}_2\text{ZrSiO}_5$),

$\text{ZrOCl}_2 \cdot 8\text{H}_2\text{O}$,
 $\text{ZrOSO}_4 \cdot n\text{H}_2\text{O}$,
 $\text{ZrO}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$, etc.), a leuco
dye (e.g., leuco
compounds of triphenylmethane series, fluoran series,
etc.), and a developer
(e.g., phenolic substances, organic or inorganic substance
or their salts, or
various electron acceptors capable of coloring the leuco
dyes upon reaction
when heated) is coated on an adequate supporter (e.g.,
papers, synthetic
papers, etc.) and dried to obtain a **thermal recording**
material.

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